

AMENDMENTS TO THE CLAIMS

The following listing provides a copy of all pending claims and a status of each claim. Claims 2 and 14 are cancelled. Claims 1, 3-13, and 15-20 are currently amended. These amendments to the claims add no new matter. This listing of claims will replace all prior versions of claims.

Because of the numerous amendments to the claims, this amendment and response also contains a version of this current listing of the claims without markings showing changes. The version without markings showing changes immediately follows the **Remarks** section.

Listing of Claims

1. (Currently Amended) A system in communication with a computer network for manipulating at least one existing websites website displayable over the computer network, ~~said~~the system comprising:

a) a processor portion and a memory portion having a computer software program stored thereon that comprises steps executable by the processor portion, wherein the executable steps comprise:

i) ~~a computer software program to collect~~ accessing data on the at least one existing websites website as directed by a user of the system;

ii) ~~a tracing means for tracing an API calls by intercepting associated parameters and Internet Protocol network event data obtained from one or more application programming interfaces while accessing the at least one existing website when the website is being accessed by third party users;~~

iii) ~~a filtering means for filtering the collected~~ Internet Protocol network event data on existing websites;

iv) ~~a generated~~ automatically generating a source code[[]] and from the traced and filtered Internet Protocol network event data that is executable by the processor portion, and thereby automatically generating an executablea

~~generated software robot that mimimimimics a~~the user using a web browser ~~onto~~
~~access the site- at least one existing website[[]]; and~~
b) the automatically generated executable software robot stored in the memory
portion for execution by the processor portion when an end user requests playback.

2. (Cancelled)

3. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~—— a tracing means wherein said tracing means collects data from internet protocol~~
~~network events., including winsock, Winlnet, shell, security, User, Active Directory,~~
~~HTML and DOM application programming interfaces. wherein the Internet Protocol~~
network event data is obtainable from a group of APIs consisting of Winsock API,
MICROSOFT Winlnet API, MICROSOFT shell API, MICROSOFT security API,
MICROSOFT User API, MICROSOFT Active Directory API, MICROSOFT HTML API,
MICROSOFT DOM API and/or any combination thereof.

4. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~—— a computer program wherein said the computer software program monitors~~
traces Internet Protocol network event data data and events obtainable on a computer
running on a Microsoft WindowsMICROSOFT WINDOWS operating systems.

5. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~—— a computer program wherein said computer program monitors the Internet~~
Protocol network event data and events comprises data passed to and from a website
browser application and/or a non-website browser application a third party operating
system.

6. (Currently Amended) The system of Claim 1 ~~further comprising:~~

~~—— a filtering means wherein the executable step of said filtering means allows for is~~
adapted for removal of redundant and useless information collected Internet Protocol
network event data passed to and from the API calls during the tracing, said information
including and wherein the executable step of filtering further comprises:

~~removal of~~removing network management packets that are acknowledgements
and retries;

~~collation of~~collating IP packets into single HTTP based messages; and
~~collation of~~collating HTTP based messages into single records of ~~current~~ content
objects, ~~including~~ wherein the content objects comprise HTML, images, audio, and other
HTTP content.

7. (Currently Amended) The system of ~~Claim 4~~Claim 6 further comprising the
executable steps of:

—— ~~a filtering means wherein said filtering means analysis~~ analyzing the API
calls and associated parameters and Internet Protocol network event data passed to and
from the API calls ~~the trace performed, and~~

producing an XML extract file comprising~~said analysis produces:~~

an XML record for each content object in ~~the~~ temporal order of receipt ~~the~~
~~content was received;~~

an XML ~~record~~ redirect records ~~record~~ and added redirect information;

an XML record for cookie reads;

an XML record for cookie writes;

an XML record for user navigation events;

an XML record for HTTP header information ~~as XML~~; and

~~various other~~ one or more management information records relating to
the API calls and associated parameters and Internet Protocol network event data
passed to and from the API calls ~~to the network and user event traces.~~

8. (Currently Amended) The system of ~~Claim 4~~Claim 7 further comprising:

—— ~~the source code wherein said source code is generated by the computer program~~
~~and further wherein said source code mimics what a user is doing during tracing and~~
wherein the executable step of generating source code further comprises ~~is generated~~
~~by transforming the XML extract file into executable source code via~~ XSL.

9. (Currently Amended) The system of ~~Claim 4~~Claim 7 further comprising:

—— ~~the source code wherein said source code is generated by the computer program~~
~~and further wherein said~~ the executable step of generating source code further
comprises ~~source code is generated by hard coding and further wherein said source~~
~~code is generated by using a computer language to parse~~ filtering means the XML
extract file ~~and generate some other useful product from the filtering means.~~

10. (Currently Amended) The system of Claim 1 ~~further comprising:~~
~~the source code wherein said source code is transformed to~~ wherein XSL
transforms the XML extract file into source code written in a programming language
selected from a group consisting of ~~wherein a XSL code exists for popular languages~~
~~including Java, JavaScript, Visual Basic, Cold Fusion, C/C++, Pascal, JAVA,~~
JAVASCRIPT, VISUAL BASIC, COLD FUSION, C/C++, PASCAL and a plurality of other
computer languages.

11. (Currently Amended) The system of Claim 1 ~~further comprising:~~
~~the software robot wherein said~~ the software robot can ~~is adapted to~~ interface
with ~~a~~ the at least one existing website and automatically manipulate the at least one
existing website during use.

12. (Currently Amended) A method for manipulating an existing website in
communication with a computer network, ~~said the~~ method comprising the steps of:
a) providing a system, also in communication with the computer network,
comprising a processor portion and a memory portion having executable steps stored
thereon for execution by the processor portion, wherein said executable steps comprise:
~~providing a computer software program to collect data on existing websites;~~
~~the system and the existing website~~ i) tracing an existing website API calls in temporal order between
the system and the existing website and associated parameters and data
associated with Internet Protocol (IP) network events passed to and from the
API calls when a system user accesses the existing website ~~is being~~
~~accessed by third party users;~~
ii) filtering the collected data on existing websites;
iii) analyzing the data to produce an extract file ~~collected from traced and~~
~~filtered websites;~~ and
iv) automatically generating a software robot that comprises executable
source code derived from the extract file, wherein executing the source code
parsed from the extract file automatically instructs the system to mimic
interactions between the system user and the existing website [[.]]; and
b) executing steps i) through iv), thereby automatically generating a software
robot that manipulates the existing website by automatically instructing the system to

mimic interactions between the system user and the existing website and that is adapted for playback on the IP network level at the request of an end user.

13. (Currently Amended) The method of Claim 12 further comprising a step following the filtering step of the step of:

—— providing an recording to the memory portion the API calls and associated parameters and data passed to and from the API calls application programming interface to record data from existing websites.

14. (Cancelled)

15. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

—— allowing wherein the generating step comprises prompting an end user to hard code the generated source code from the XML extract file.

16. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

—— automating wherein the generating step comprises automating the generation derivation of source code from the XML extract file to an end user.

17. (Currently Amended) The method of Claim 12 ~~further comprising the step of:~~

—— allowing the computer program wherein the software robot is adapted for interfacing with to interface with an the existing website to automatically produce a desired outcome including:

—— automatic form-fill-in one or more forms on a web page;

—— interfacing with a website to obtain information previously unattainable;

to performing perform system testing of a the website; and/or performing software change controls to monitor the existing websites website for change to the underlying site.

18. (Currently Amended) The method of Claim 12 further comprising the step of:

integrating the ~~software~~ executable steps into a ~~web~~ website browser as a ~~browser~~ plug-in.

19. (Currently Amended) The method of ~~Claim 12~~Claim 18 further comprising the step of: ~~integrating the software into a web browser as an extension wherein the integrated software may display~~ wherein the source code is adapted for interactive stepping through on a page-by-page or event-by-event basis so that debug messages adapted for providing full interactive debugging capability to the source code, HTTP header parameters, and other data are displayed in the plug-in.

20. (Currently Amended) The method of Claim 12 further comprising ~~the~~ a final step of: ~~allowing an end user to click on displaying a selectable~~ a button in a web browser plug-in that automates completion of ~~completes~~ multiple forms without further user intervention.